

CLAIMS

What is claimed is:

1. An image printing method for a printer driver and a printer, the image printing method comprising the steps of:

5 (1) obtaining data of an original image and data of a resulting image by the printer driver, wherein the data of the original image include an original initial point, an original length, and an original width, the data of the resulting image include a resulting initial point, a resulting length, and a resulting width, and the resulting image is obtained after the printer driver resizes the original
10 image;

 (2) using the data of the original image and the data of the resulting image to compute a resizing ratio by the printer driver;

 (3) confirming the resizing ratio is greater than one by the printer driver;

 (4) transmitting the data of the original image and the resizing ratio to the
15 printer by the printer driver;

 (5) receiving the data of the original image and the resizing ratio by the printer;

 (6) magnifying the original image according to the resizing ratio to obtain the resulting image by the printer; and

 (7) printing the resulting image by the printer.

20 2. The method of claim 1, wherein when the result of step (3) is negative, further comprising the steps of:

 shrinking the original image according to the resizing ratio to obtain the resulting image by the printer driver;

transmitting the resulting image to the printer by the printer driver;

receiving the resulting image by the printer; and

printing the resulting image by the printer.

3. An image printing method for a printer driver and a printer, the image printing
5 method comprising the steps of:

(1) obtaining data of an original image and data of a resulting image by the
printer driver and data of a cutting block, wherein the data of the original image
include an original initial point, an original length, and an original width, the
data of the resulting image include a resulting initial point, a resulting length,
10 and a resulting width, and the resulting image is obtained after the printer
driver resizes the original image, and the data of the cutting block cut from the
resulting image;

(2) using the data of the original image and the data of the resulting image to
compute a resizing ratio by the printer driver;

15 (3) confirming the resizing ratio is greater than one by the printer driver;

(4) computing the intersection of the resulting image and the cutting block to
obtain the cutting block by the printer driver;

(5) using the area correspondence relation between the cutting block data and
the resulting image data to compute the data of a correspondence block that has
20 the same area correspondence relation with the original image data by the
printer driver;

(6) computing an error displacement according to the cutting block data and the
correspondence block data by the printer driver;

(7) transmitting the data of the correspondence block, the error displacement, and the resizing ratio to the printer by the printer driver;

(8) receiving the data of the correspondence block, the error displacement, and the resizing ratio by the printer;

5 (9) magnifying the correspondence block according to the resizing ratio and the error displacement to obtain the cutting block by the printer; and

(10) printing the cutting block by the printer.

4. The method of claim 3, wherein when the result of step (3) is negative, further comprising the steps of:

10 shrinking the original image according to the resizing ratio to obtain the resulting image by the printer driver;

cutting the resulting image according to the cutting block data by the printer driver;

transmitting the cutting block to the printer by the printer driver;

15 receiving the cutting block by the printer; and

printing the cutting block by the printer.